

PERMIT CHRONOLOGY

for

Sunshine Mining Company (SMC)

M/049/009

[Note: This chronology highlights permit activities, such as, or in relation to: submittals, reviews, approvals, bonding, etc.]

"Christmas Eve"

(December 24, 1991)

August 10, 1981	SMC files NOI for Burgin Project with the Division dated August 6, 1981. Project is for exploratory development of underground access to ore body.
February 4, 1982	SMC submits a revised NOI for the Burgin Project (dated Jan. 1982). This supersedes the August, 1981 submission. Project calls for deepening Apex Standard No. 2 shaft and developing a new drift. [Note: Apex #1 and #2 shafts are also known as Burgin #1 and #2 (?)]. Exploration at this site began in 1980 under a separate notice with the Division.
October 4, 1982	Final approval of Burgin project. Surety estimate was for 2.80 acres at \$67,572 in 1988 dollars. The project life is estimated at 3 years plus 3 years until reclamation release.
February 6, 1984	Division received SMC's amended NOI. Amendment includes the Trixie mine shaft, Hunter shaft (to be constructed), Burgin mill site facilities, tailings pond (to be constructed) and settling ponds for mine water.
December 14, 1984	Division issued tentative approval to SMC amendment. Amended surety estimate is \$737,000 in 1995 dollars.
April 2, 1985	SMC files NOI application to construct and operate tailings ponds 1, 2, 3 and 4, in order to operate the Burgin mill.
June 3, 1985	Division acknowledges copy of \$737,000 bond.
June 3, 1985	SMC amends application to construct and operator tailings ponds 1, 2, 3, and 4.

June 12, 1985	Division approves of the April 2, 1985 Trixie tailings ponds 1, 2, 3 and 4, modifications with stipulations.
August 7, 1985	Division receives copy of August 5, 1985 letter from Department of Environmental Health (DEH) to SMC. Letter cites deficiencies in design plans for Trixie tailings ponds and the unapproved construction of pond #4. Additional information is requested by DEH.
August 29, 1985	Received copy of August 23, 1985 Notice of Violation, Order to Cease and Desist, and Order for Information issued by DEH to SMC. Representatives from Bureau of Water Pollution Control (BWPC) and the City-County Health Department inspected the Trixie mine tailings pond #4 August 21, 1985, and found the pond to be in use. The pond was not constructed according to the regulations.
December 17, 1985	SMC submits application for permit to construct and operate tailings ponds A, B and C for Trixie mine. [Note: Ponds 2, 3 and 4 were constructed].
January 7, 1986	Memo to file regarding tailings pond modifications. Pond designs must comply with State Health requirements. A cost estimate for reclamation of the proposed ponds is required. Additional bonding will not be required at this time due to the excess in the current bond amount for the main tailings pond and Hunter shaft area, which are not yet disturbed.
March 4, 1987	SMC presented letter to BWPC Board meeting. SMC has no immediate plans to use the dispersion ponds for mine discharge water.
March 5, 1987	Received SMC's annual report for 1986. The operation is in a standby maintenance mode.
March 7, 1988	File review prepared by Division staff. (Review provides a concise description of permit and bonding activities).
November 19, 1990	SMC wishes to amend permit to include clay operations at the Zuma pit. Since this project may not develop beyond several bulk samples, the Division recommends filing an

EXP-NOI. SMC submits NOI, E/049/021, shortly after this for removal of existing dumps and pit sampling.

April 29, 1991

SMC notifies Division of desire to continue and expand their Zuma pit operation. SMC requests reassigning currently unused portions of their reclamation bond to the Zuma operation. A first draft Notice of Intent to Revise Operations is submitted. SMC suggests reassigning bond portions for the Hunter shaft (\$48,100) and/or tailings pond (\$17,450). The Zuma operation is estimated to disturb 7 acres.

November 6, 1991

Received SMC Notice of Intent to Revise. The Hunter shaft will most likely not be developed. No work has been performed there to date. The tailings pond modification was approved by the Division, but no work has been performed yet. SMC proposes reassigning one or both bond amounts for these areas. Variances are requested to leave the Zuma pit's south highwall as is, and bench the north highwall. Additional variances for topsoil (none was salvaged during the pre-act operation) and a runoff diversion ditch are requested.

December 18, 1991

A site inspection was performed by the Division. The Hunter shaft, tailings pond and Zuma pit areas were visited.